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(54) Title of the invention: Television broadcast program display device

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As prescribed by Article 65-2-2-4 of the Patent Law, part of Drawings 2 and 3 shall not be included.

SPECIFICATION

1. Title of the Invention

Television broadcast program display device

2. Claims

A television broadcast program display device characterized in that it memorizes a program display signal including the names of broadcast stations and their program times, provides a program output section to output a display signal for

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programs of the present time or later by comparing the aforementioned program time of this memory section and the present time from a timer, and provides a program display set switch which outputs an image receiving signal by switching from the aforementioned program display signal by operation from this program output section.

3. Detailed Description of the Invention

[Industrial Application]

The present invention concerns a television broadcast program display device for a domestic television receiver which is generally used at home.

[Description of the Prior Art]

Conventionally, in the case of a television receiver which is generally used at home, as described in Drawing 3 (a to c), the viewer selects a channel on the television receiver 1 by looking at a clock 7 and a television program chart 8 in a newspaper etc.

[Problem(s) to be solved by the Invention]

Because selection of the channel of a broadcast program in the case of a conventional television receiver had to be carried out by confirming a clock 7 and a television program chart 8 in a newspaper etc., if there was no program chart 8, the problems were that selection had to be made by watching and suitably selecting a channel close to the one desired, or at times there were cases when a program that was really desired to be seen was missed.

The purpose of the present invention is to remove these problems by providing a television broadcast program display device that enables smooth selection of channels and programs to be viewed only by turning on a switch.

[Means for Solving the Problem]

The present invention is a television broadcast program display device characterized in that it comprises a memory section that memorizes a program display signal including the names of broadcast stations and their program times, provides a program output section to output a display signal for programs of the present time or later by comparing the aforementioned program time of this memory section and the present time from a timer, and provides a program display set switch which outputs an image receiving signal by switching from the aforementioned program display signal by operation from this program output section.

By the present invention, a viewer can read a program that is instantaneously portrayed on a screen without any need of material information medium that is necessary for selecting channels such as a clock or program chart because future programs of broadcasting stations selected by the television receiver itself or by the adapter construction are portrayed on screen.

[Examples]

The following explains in detail the present invention by actual example with reference to the Drawings.

Drawing 1 is a block drawing that includes one example of the present invention. A program display signal obtained from a general television receiver 1 is inputted to a broadcast program display processing section 2, and processing such as detection, comparison and memory operation to output a signal required for screen display is executed in the broadcast program display processing section 2 and a screen display output signal is fed to the television receiver 1. The broadcast program display processing section 2 is connected to a program display set switch 6 which can be controlled from outside, and when this switch 6 is turned on, it

operates to display on the screen of the television receiver 1 during the prescribed time. For this purpose, it can be constituted to include a clock (timer) outputting the present time, a memory storing names of broadcast stations and television programs, a comparison circuit discarding television programs before the present time and a control circuit processing the selection of channels etc..

Drawing 2 is an example of a screen display depicting on the television receiver 1 the content that is processed in the program display processing section 2 of Drawing 1. A broadcasting station 3, a program name display 5 after turning on program display set switch 6, and a corresponding time display 4 are portrayed in this example. This portrayed content disappears automatically after a certain time (for example 5 seconds later) and the normal television screen returns.

[Effect of the Invention]

As explained above, adding the television broadcast program display device of the present invention enables smooth selection of channels by instantaneously viewing a schedule of programs that one wants to see by turning on the program display set switch.

4. Brief Description of the Drawings

Drawing 1 is a block drawing of one example of the broadcast program display device, Drawing 2 is a front view of the example of the broadcast program display device of Drawing 1, and Drawing 3 (a to c) is a configuration diagram of the medium for confirming programs and the television receiver in prior art.

- 1 television receiver
- 2 broadcast program display processor
- 3 broadcasting station name

- 4 program starting time display
- 5 program name display
- 6 program display set switch
- 7 clock
- 8 television program chart

Agent: Shin Uchihara, Lawyer

Drawing 1

Television receiver

Broadcast program display processor

- 6 program display set switch

Drawing 2

- 3 broadcasting station name (K Program)

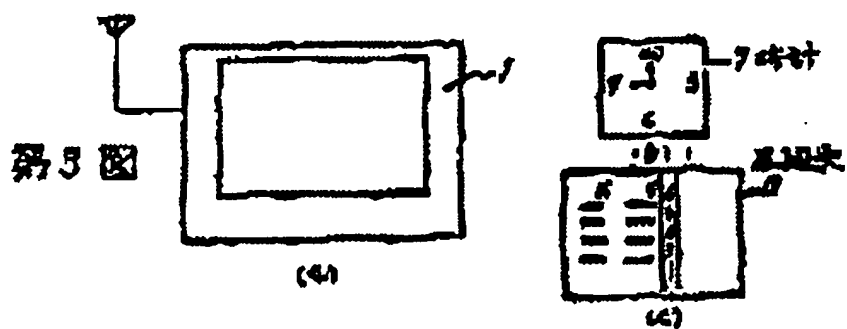
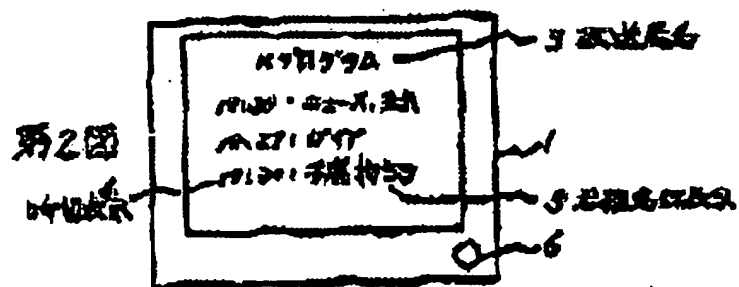
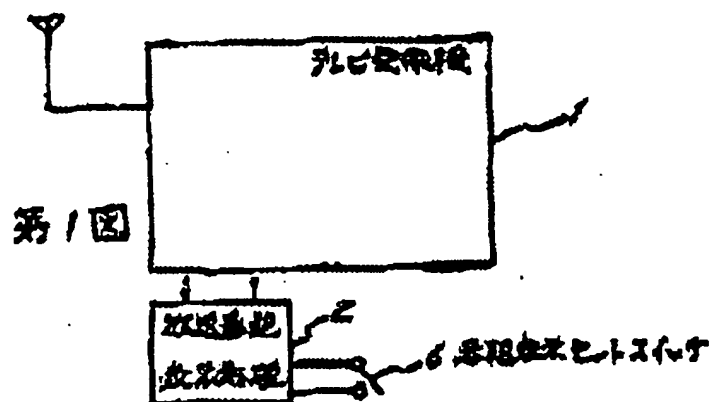
- 4 program starting time display (19:00; 19:27; 19:30)

- 5 program name display (News; Guide; The Yearling)

Drawing 3

- 7 clock

- 8 program chart



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